at1110paper_practice_test (v16)

1. Expand the following expression into standard form.

$$(7x - 9)(4x + 5)$$

2. Solve the equation.

$$(3x - 4)(5x - 2) \ = \ 0$$

3. Expand the following expression into standard form.

$$(9x + 7)(9x - 7)$$

4. Expand the following expression into standard form.

$$(7x + 2)^2$$

5. Factor the expression.
$$x^2 - 11x + 28$$

6. Factor the expression.
$$81x^2 - 64$$

7. Solve the equation with factoring by grouping.
$$15x^2 + 20x - 18x - 24 \ = \ 0$$

8. Solve the equation.
$$4x^2 - 18x + 12 \ = \ 2x^2 - 3x + 5$$